

**Kronobuild®**

Oriented Strand Boards

**OSB**



**kronospan**

# What is OSB?

OSB stands for Oriented Strand Board and is a load-bearing, wood-based board formed by thin strands laid on each other in oriented layers and bonded by a formaldehyde-free resin.

OSB is a product made from thin strands stacked on each other in oriented layers connected by a synthetic resin.

OSB boards are currently the most widespread wood-based materials for a variety of building-structural applications. Boards do not contain natural solid wood defects (knots, cracks, etc.). Chips size in the surface layer makes apparent natural structure, color and rustic appearance of natural wood and brings new possibilities in interior design.

OSB is manufactured from quality coniferous wood. Thin strands are gently dried, applied with a synthetic resin with a fixed proportion of paraffin emulsion. Board bonding is processed under high pressures and temperatures. Excellent mechanical properties are achieved by selecting suitable wood, defined shape of wood strands, and in particular crosswise orientation stacking of the three individual layers. Dimension, shape and direction orientation of strands in individual layers make maximum use of the natural wood properties for achieving the best structural-physical boards parameters.

The strands on OSB surface layers are oriented in the longitudinal direction and in the base layer the strands are oriented across the panel. These two directions of strand orientation in each layer give the board a higher level of dimensional stability and excellent mechanical efficiency. At the same time boards show several times higher strength in the longitudinal board (major axis) than in the crosswise direction (minor axis). Correct panel orientation towards support is important especially during installation. This is the main difference when comparing OSB to particleboards and wood fibreboards with strength being lower but the same in all board directions.



## Kronospan OSB

Since beginning of 2013 Kronospan has invested heavily to improve quality of OSB Superfinish and decrease the production costs to be able to offer better prices to our customers. Our OSB Superfinish now has the best quality in the global market and its brightness and appearance is attracting more and more customers every day.

Over 9 Kronospan factories across Europe manufactures OSB boards which means we deliver to our customers locally in the quickest time and with the best price.

Kronospan OSB products are developed and produced entirely in compliance with the current demand of healthy living using 100% MDI glue in Kronospan OSB products.

The benefits of MDI glue include increased physical property performance, reduced blending clearing, fast curing, smooth panels with natural appearance, better moisture resistance and

excellent weight to strength ratio.

ed blender cleaning

Fast curing

Finished panels that are smooth, light and more natural in appearance

Improved moisture resistance

Excellent strength to weight ratio

KRONOSPAN continuously invests in the development of new products based on OSB Superfinish. Product line is extended of special type boards OSB Firestop ECO, and surface finish boards OSB Airstop ECO, OSB Reflex ECO, and OSB Ply.

KRONOSPAN's OSB boards are produced within basic trademark OSB Superfinish.